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PATENT
Attorney Docket 044574-5061

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application: **John Carlson et al.**

Application No. 09/491,577

Filed: **January 25, 2000**

For: **Drosophila Odorant Receptors (Amended)**

Group Art Unit: 1646

Examiner: **Joseph Murphy**

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AMENDMENT AND RESPONSE UNDER 37 C.F.R. 1.111

This Amendment is filed in response to the Office Action dated June 29, 2001 (Paper No. 9).

Please amend this application as follows:

Please change the title of the specification to:

--*Drosophila* Odorant Receptors--

In the claims:

Please cancel claims 1-10 without prejudice or disclaimer.

Please add new claims 27-45:

27. An isolated nucleic acid molecule that encodes the amino acid sequence of a *Drosophila* Odorant Receptor protein or fragment thereof, wherein the nucleic acid molecule comprises at least one exon-intron boundary located in a position selected from the group consisting of:

- (i) nucleotides of SEQ ID NO: 31 which encode the amino acids which comprise the third extracellular domain;
- (ii) nucleotides of SEQ ID NO: 31 which encode the amino acids which comprise the fourth extracellular domain; and

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